Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – JUNE-2019

Time: Three Hours Max. Marks: 100 Marks

Pathology-Paper –I (RS2 & RS3)

QP Code: 1081

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Define necrosis. Enlist the differences between necrosis and apoptosis. Name the different types of necrosis with one example each.
2. Define and classify anaemias. Describe etiology and lab diagnosis of pernicious anaemia.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Dystrophic calcification
4. Transudate Versus Exudate
5. Type II hypersensitivity reaction
6. Pathogenesis of septic shock
7. Ricketts
8. Hemophilia
9. Phagocytosis
10. Oncogenes
11. Turner's syndrome
12. Exfoliative cytology

SHORT ANSWERS 10 x 3 = 30 Marks

13. CSF findings of viral meningitis.
14. Bombay blood group.
15. Special stains used in amyloid
16. Benedict's test
17. Name Parasites seen in peripheral smear
18. Granulation tissue
19. Congenital syphilis
20. Metaplasia
21. Routes of spread of tumor
22. Philadelphia chromosome

Rajiv Gandhi University of Health Sciences, Karnataka

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MBBS (Phase - II) Degree Examination - JUNE-2019

Time: Three Hours | Max. Marks: 100 Marks

Pathology – Paper II (Revised Scheme II)

Q.P. CODE: 1082

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Discuss aetiopathogenesis and pathology of glomerulonephritis.
2. Define emphysema. Discuss etiopathogenesis, types and gross and microscopy of emphysema.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Enumerate factors causing skin cancer. Write gross and microscopy of basal cell carcinoma.
4. Classify testicular tumors. Describe gross and microscopy of Seminoma.
5. Urolithiasis
6. Etiopathogenesis of atherosclerosis
7. Clinical manifestation of portal hypertension
8. Kidney changes in RPGN
9. Hodgkin's lymphoma
10. Hepatocellular carcinoma – gross and microscopy
11. Alcoholic liver disease
12. Factors influencing Pneumoconiosis, add a note on silicosis

SHORT ANSWERS 10 x 3 = 30 Marks

13. HPV and cancer
14. Coarctation of Aorta
15. Bowen's disease
16. Condyloma accuminatum
17. Complications of Myocardial infarction
18. Pneumonia alba
19. Causes of splenomegaly
20. Dermoid cyst
21. Factors affecting prognosis of breast cancer
22. Complications of diabetes mellitus

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JUNE-2019

Time: Three Hours | Max. Marks: 100 Marks

Microbiology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1083

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Enumerate different organisms causing Pyrexia of Unknown Origin. Describe pathogenesis and laboratory diagnosis of Typhoid Fever. (3+7)
2. Define and classify Hypersensitivity. Describe Type I Hypersensitivity reaction in detail. (1+3+6)

SHORT ESSAYS 10 x 5 = 50 Marks

3. Bacterial Cell Wall
4. Immunoglobulins
5. Resistance transfer factor
6. Chlamydiae
7. Atypical Mycobacteria
8. Lepromin test
9. Laboratory diagnosis of Urinary Tract Infection
10. Routes of Infection
11. Virulence factors of Streptococcus pyogenes
12. Leptospirosis

SHORT ANSWERS 10 x 3 = 30 Marks

13. Differentiate Cell Wall of Gram +ve and Gram –ve Bacteria.
    OR
    Contributions of Louis Pasteur.
14. Adjuvants
15. Enumerate organisms causing food poisoning
16. Agglutination reactions
17. Nagler's reaction
18. Plasma cell – IgG
19. Dark ground Microscope
20. Bacterial Growth curve
21. Disposal of Biomedical waste
22. Hot Air Oven

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JUNE-2019

Time: Three Hours | Max. Marks: 100 Marks

Microbiology -Paper II (RS2 & RS3 scheme)

QP Code: 1084

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Describe the morphology, pathogenesis, laboratory diagnosis and immuboprophylaxis of Rabies Virus. (2+2+2+4)
2. Enumerate Anaemia causing parasites. Describe the life cycle, pathogenesis and laboratory diagnosis of Ancylostoma duodenale. (2+3+2+3)

SHORT ESSAYS 10 x 5 = 50 Marks

3. Dermatophytosis
4. Life cycle of Plasmodium in mosquito
5. Enumerate the infections caused by Herpes Simplex Virus.
6. Bacteriophage
7. Life cycle of Taenia solium
8. Opportunistic mycosis
9. Rubella
10. Laboratory diagnosis of HIV infection
11. Laboratory diagnosis of Toxoplasmosis
12. Histoplasmosis

SHORT ANSWERS 10 x 3 = 30 Marks

13. Giardia lamblia
14. Fungal culture media
15. Mycotoxins
16. PKDL-Post Kala-azar Dermal Leishmaniasis
17. NNN medium
18. Microfilaria larva
19. Black water fever
20. Neat labelled diagram of influenza virus
21. Yellow fever
22. Immune prophylaxis of poliomyelitis

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - JULY-2019

Time: Three Hours | Max. Marks: 100 Marks

Pharmacology – Paper I (RS2 & RS3 Scheme)

Q.P. CODE: 1085

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. Classify Anti-Parkinsonism Drugs. Describe Pharmacological effects and adverse effects of Levodopa. (5+3+2)
2. Classify Antihypertensive Drugs. Describe uses and adverse effects of Angiotensin Converting Enzyme Inhibitors. (4+3+3)

SHORT ESSAYS 10 x 5 = 50 Marks

3. First Pass Metabolism
4. Intrathecal route of drug administration
5. Uses of β-blockers
6. Therapeutic uses of Cholinergic drugs
7. Mechanism of action and adverse effects of Aspirin
8. Fentanyl
9. Lamotrigine
10. Adverse effects and uses of Chlorpromazine
11. Osmotic Diuretics
12. Low Molecular Weight Heparins

SHORT ANSWERS 10 x 3 = 30 Marks

13. Therapeutic Index
14. Drug Intolerance
15. Oxybutynin
16. Clopidogrel
17. Dantrolene
18. Three adverse effects of Clonidine
19. Oxethazaine
20. Three uses and three adverse effects of Atropine
21. Pharmacological basis in combining Dihydropyridines with β-blockers in the treatment of Angina Pectoris
22. Zopiclone

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination – JULY-2019

Time: Three Hours | Max. Marks: 100 Marks

Pharmacology – Paper II (RS2 & RS3)

Q.P. CODE: 1086

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS — 2 x 10 = 20 Marks

1. Classify drugs used in peptic ulcer. Discuss the mechanism of action, adverse effects and uses of Proton pump inhibitors.
2. Classify antitubercular drugs. Describe the mechanism of action, therapeutic uses and adverse effects of Rifampicin.

SHORT ESSAYS — 10 x 5 = 50 Marks

3. Inhaled steroids used in Bronchial asthma
4. Enumerate Insulin analogues. Write their indication and advantages.
5. Third generation cephalosporins
6. Oral contraceptives
7. Osmotic purgatives
8. Dapsone
9. 5-Alpha reductase inhibitors
10. Discuss the mechanism of action, uses and adverse effects of Chloroquine.
11. Bisphosphonates
12. Fluconazole

SHORT ANSWERS — 10 x 3 = 30 Marks

13. Advantages of second generation antihistaminics over first generation
14. Advantages of doxycycline
15. Name two drugs which are selective estrogen receptor modulators. List one therapeutic use for each.
16. Beta-lactamase inhibitors
17. Mast cell stabilizes
18. Penicillamine
19. Ondansetron
20. Citrovorum factor rescue
21. Enumerate the difference between Propylthiouracil and Carbimazole.
22. Name four drugs used in treatment of Rheumatoid arthritis.

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS PHASE II Degree Examination – JULY-2019

Time: Three Hours | Max. Marks: 100 Marks

Forensic Medicine (RS2 & RS3)

QP Code: 1087

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 10 = 20 Marks

1. What is Inquest? Explain the commonest type of inquest held in India. Explain briefly about Summons and Hostile witness.
2. Explain the factors modifying the action of a poison. Give an account of clinical manifestations and treatment of a case opium poisoning.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Sec 375 IPC with recent amendments
4. Artificial insemination and its legal complications
5. Autopsy findings in Sulphuric acid and carbolic acid poisoning
6. Identification from Teeth
7. Choking and Rifling in firearms
8. Grievous hurt
9. Brain stem reflex and its Medicolegal importance
10. Difference between Rigor mortis and cadaveric spasm
11. Extradural hemorrhage
12. Privileged communication

SHORT ANSWERS 10 x 3 = 30 Marks

13. Locards principle of exchange
14. Hallucinogens
15. Drug automatism
16. Polyvalent antisnake venom
17. Types of fingerprints
18. Classification of antidotes with examples.
19. Doctrine of Res Ipsa Loquitur
20. Punch drunk syndrome
21. Difference between antemortem and postmortem wounds
22. Types of Hyoid bone fractures with Medicolegal implications

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – 11-Dec-2019

Time: Three Hours | Max. Marks: 100 Marks

PATHOLOGY-PAPER -I (RS2 & RS3)

QP Code: 1081

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS 2 x 10 = 20 Marks

1. Define Amyloidosis. Mention 4 special stains used in demonstration of amyloid. Describe gross and microscopy of amyloid spleen.
2. Classify hemolytic anaemias. Describe lab diagnosis and etiopathogenesis of sickle cell anaemia.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Chemotaxis
4. Infarction
5. Von-Willebrand disease
6. p53 oncogene
7. Scurvy
8. Rh incompatibility
9. Candidiasis
10. Metaplasia
11. Chemical carcinogenesis
12. Klinefelter's syndrome

SHORT ANSWERS 10 x 3 = 30 Marks

13. Tamm Horsefall protein
14. Anisopoikilocytosis
15. Selective proteinuria
16. Granuloma
17. Factors causing delayed wound healing
18. Modes of transmission of AIDS
19. Measles
20. Vascular events of inflammation
21. Gas gangrene
22. Chronic venous congestion of liver

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – 13-Dec-2019

Time: Three Hours | Max. Marks: 100 Marks

PATHOLOGY - PAPER – II (RS2 & RS3)

QP Code: 1082

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS 2 x 10 = 20 Marks

1. A 30-year-old male developed sudden onset of fever with chills. On examination, the physician detected cardiac murmurs. His blood culture was positive for gram positive organisms. He had a past history of pharyngitis followed by carditis when he was 5 years old.

    a) What is your diagnosis?

    b) What is the aetiopathogenesis of this condition?

    c) Describe the morphology of the disease.

    d) Enumerate the complications associated with this condition.

2. Define diabetes mellitus. Discuss the types, pathogenesis and pathology of diabetes mellitus.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Cirrhosis of liver.
4. Compare (in a tabular format) ulcerative colitis and Crohn's disease
5. Malignant melanoma
6. Osteosarcoma
7. Paget's disease of bone
8. Classification of ovarian tumors
9. Renal cell carcinoma
10. Emphysema
11. Hashimoto's thyroiditis
12. Pathogenesis of acute pancreatitis

SHORT ANSWERS 10 x 3 = 30 Marks

13. Morphology of bronchiectasis
14. Fibroadenoma
15. Precancerous lesions of esophagus
16. Types of meningioma
17. Causes of lymphadenitis.
18. Benign prostate nodular hyperplasia
19. Warthin's tumor
20. Hydronephrosis
21. Classify Hodgkin's lymphoma. Name the characteristic neoplastic cells seen in this condition.
22. Enumerate the risk factors of atherosclerosis.

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - 16-Dec-2019

Time: Three Hours | Max. Marks: 100 Mark

MICROBIOLOGY – PAPER I (RS2 & RS3)

Q.P. CODE: 1083

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS — 2 x 10 = 20 Marks

1. Define Sterilization. Describe in detail Moist heat Sterilization. Add a note on sterilization control (1+7+2)
2. Define Hypersensitivity. Classify Hypersensitivity reactions. Describe in detail about Anaphylaxis reaction. (1+2+7)

SHORT ESSAYS — 10 x 5 = 50 Marks

3. Write a note on Helicobacter pylori.
4. Describe the structure and functions of IgG antibody.
5. Write in detail about Active immunity.
6. Mechanisms of autoimmunity
7. Agglutination reactions
8. Pathogenicity of Neisseria gonorrhoeae
9. Laboratory diagnosis of Anthrax
10. Write a note on Clostridium botulinum.
11. Laboratory diagnosis of Enteric fever
12. Describe the epidemiology of Cholera.

SHORT ANSWERS — 10 x 3 = 30 Marks

13. Specific serological tests for Syphilis
14. Pathogenesis of non-suppurative post-Streptococcal sequelae
15. Write a note on Haemophilus ducreyi.
16. Enterotoxigenic Escherichia coli
17. Weil-Felix reaction
18. Selective media with examples
19. Plasmids
20. Bacterial Fermentation
21. Principle and uses of genetic engineering
22. Pathogenicity of Bordetella pertussis

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination - 18-Dec-2019

Time: Three Hours | Max. Marks: 100 Marks

Microbiology – Paper II (RS2 & RS3 Scheme)

Q.P. CODE: 1084

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS — 2 x 10 = 20 Marks

1. Enumerate Intestinal Nematodes. Describe morphology, life cycle, pathogenicity and laboratory diagnosis of Ancylostoma duodenale. (2+2+2+2+2)
2. Describe morphology, pathogenicity, laboratory diagnosis to detect various markers and prophylaxis of Hepatitis B. (2+1+4+3)

SHORT ESSAYS — 10 x 5 = 50 Marks

3. Describe pathogenicity and laboratory diagnosis of Candida albicans.
4. Histoplasma capsulatum
5. Differences between Bacteria and Viruses
6. Kyasanur forest disease
7. Laboratory diagnosis of Influenza Virus
8. Anti rabies vaccines – prophylaxis of Rabies
9. Techniques to identify growth of Viruses in Cell Culture
10. Complications and laboratory diagnosis of Plasmodium falciparum
11. Life cycle of Taenia solium
12. Laboratory diagnosis of Leishmania donovani

SHORT ANSWERS — 10 x 3 = 30 Marks

13. Aspergillosis
14. Draw a labelled diagram of HIV.
15. Slow Virus diseases
16. Mycotoxins
17. Draw a labelled diagram of Egg of Trichuris Trichiura.
18. Define antigenic shift and antigenic drift
19. Define Intermediate Host.
20. Enumerate Parasites entering Human Host through Skin.
21. Mosquitoes as Vectors
22. Enumerate Parasites causing Anaemia.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – 28-Dec-2019

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY -Paper -I (RS2 & RS3)

QP Code: 1085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS 2 x 10 = 20 Marks

1. Classify opiod analgesics. Explain pharmacological actions, uses and adverse effects of morphine.
2. Classify drugs used in angina pectoris. Explain the mechanism of action, uses and adverse effects of any one group.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Antiplatelet drugs
4. Management of acute salicylate poisoning
5. Uses of alpha-adrenergic blockers
6. Plasma expanders
7. Uses and adverse effects of thiazide diuretics
8. Digitalis toxicity and its treatment
9. Processes of drug absorption
10. Spinal anesthesia
11. Management of chronic alcoholics
12. Plasma protein binding and its clinical importance

SHORT ANSWERS 10 x 3 = 30 Marks

13. Drug synergism
14. Pralidoxime
15. Blood brain barrier
16. 3 uses of Adrenaline
17. Mannitol
18. Name three centrally acting skeletal muscle relaxants.
19. Treatment of methanol poisoning
20. Dantrolene sodium
21. Atypical antipsychotics
22. Clonidine

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - II) Degree Examination – 23-Dec-2019

Time: Three Hours | Max. Marks: 100 Marks

PHARMACOLOGY – PAPER II (RS2 & RS3)

Q.P. CODE: 1086

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS — 2 x 10 = 20 Marks

1. Classify Beta-Lactam antibiotics. Explain their mechanism of action, therapeutic uses and adverse effects of Benzyl penicillin.
2. Classify oral antidiabetic drugs. Write mechanism of action, adverse effects of sulfonylureas.

SHORT ESSAYS — 10 x 5 = 50 Marks

3. Amphotericin B.
4. Acyclovir
5. Proton Pump Inhibitors (PPI)
6. Hormonal contraception
7. Explain the mechanism of action, uses and adverse effects of Rifampicin.
8. Mention growth hormone preparations and their antagonists. Explain the uses of both.
9. Write the mechanism of action, clinical uses and adverse effects of chloroquine.
10. Enumerate four Prokinetic agents. Explain the mechanism of action of any one. Add a note on the medical management gastroesophageal reflux disease.
11. Write briefly on aromatase inhibitors.
12. Antitussives

SHORT ANSWERS — 10 x 3 = 30 Marks

13. Adverse effects of Aminoglycosides
14. Rationale of using Ondansetron in vomiting induced by anticancer drugs
15. Contraindications of glucocorticoids
16. Describe the sequential blockade with suitable example.
17. Explain the merits and demerits of radioactive iodine in the treatment of hyperthyroidism.
18. Enumerate six drugs belonging to different groups used in the treatment of rheumatoid arthritis.
19. Mention three groups of immunosuppressants with suitable examples.
20. Write two uses of oxytocin and explain the rationale for any one.
21. Name six chelating agents.
22. Write briefly on bulk purgatives.

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Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase II Degree Examination – 26-Dec-2019

Time: Three Hours | Max. Marks: 100 Marks

FORENSIC MEDICINE (RS2 & RS3)

QP Code: 1087

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS 2 x 10 = 20 Marks

1. Define and classify burns. How will you differentiate between antemortem and post mortem burns? What are the causes of death due to burns?
2. Enumerate various violent asphyxial deaths. What are the postmortem findings in a case of throttling? Add a note on hyoid bone fractures.

SHORT ESSAYS 10 x 5 = 50 Marks

3. Define vicarious liability. Explain with suitable examples.
4. Describe the bite marks and its Medicolegal importance.
5. Discuss the pathophysiology of salt water and fresh water drowning.
6. Brainstem death and its significance.
7. Explain the treatment of cyanide poisoning.
8. Describe the gustafson's method of age estimation.
9. Surrogate motherhood and its Medicolegal aspects.
10. Discuss the body packers syndrome.
11. Describe marbling and its Medicolegal importance.
12. Describe the signs and symptoms of chronic lead poisoning.

SHORT ANSWERS 10 x 3 = 30 Marks

13. What do you mean by bloodless dissection of neck?
14. Mention two active principles in marking nut.
15. Mention the Medicolegal importance of tattoo marks.
16. Preservation of viscera in a suspected case of poisoning.
17. Holograph will and its Medicolegal importance.
18. Hymen and its Medicolegal significance.
19. Explain mechanism of production of whiplash injury.
20. Define viability.
21. Describe the ligature mark of typical hanging.
22. Name three cattle poisons.

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